

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. W A D 9 8 0 7 3 8 5 4 6		Manifest Document No. 060001		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address Alaskan Copper Works P.O. Box 3546, Seattle, WA 98124						A. State Manifest Document Number							
4. Generator's Phone (206) 382-8379						B. State Generator's ID							
5. Transporter 1 Company Name PHILIP TRANSPORTATION						REMEDIAL ACTION INC		US EPA ID Number KAD 063547996					
7. Transporter 2 Company Name						8. US EPA ID Number		C. State Transporter's ID					
9. Designated Facility Name and Site Address World Resources Company 8113 West Sherman Street Tolleson, Arizona 85353-4025						10. US EPA ID Number A Z D 9 8 0 7 3 5 5 0 0		D. Transporter's Phone 800-321-1030					
								E. State Transporter's ID					
								F. Transporter's Phone					
								G. State Facility's ID					
								H. Facility's Phone 800-972-1955					
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. RQ, Hazardous waste, solid, n.o.s., (F006), 9, NA3077, III						001 C F		1350		P		F006	
b. RQ, Hazardous waste, solid, n.o.s., (D007), 9, NA3077, III						052 D M		39800		P		D007	
c.													
d.													
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above							
15. Special Handling Instructions and Additional Information 24 Hour Emergency Response: 1-800-424-9300 CHEMTREC (Use CHEMTREC company code "WORR") (Emergency call pager # 206-648-8423) Wear gloves & goggles P.O. # M 103526													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Gerald Thompson						Signature <i>[Signature]</i>		Month Day Year 10/20/04					
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name J. Carroll		Signature <i>[Signature]</i>		Month Day Year 10/20/04			
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name Armando Chavez						Signature <i>[Signature]</i>		Month Day Year 10/20/04					



WORLD RESOURCES

12:28PM 02/10/2004

GROSS 1345 lb

TARE 77 lb

NET 1268 lb

ACCUM 1269 lb

02/10/2004 12:29PM

0.63  
Tons

WORLD RESOURCES  
12:30PM 02/10/2004  
GROSS 579 lb  
TARE 52 lb  
NET 527 lb

WORLD RESOURCES  
12:32PM 02/10/2004  
GROSS 744 lb  
TARE 52 lb  
NET 692 lb

WORLD RESOURCES  
12:33PM 02/10/2004  
GROSS 870 lb  
TARE 52 lb  
NET 818 lb

WORLD RESOURCES  
12:35PM 02/10/2004  
GROSS 819 lb  
TARE 52 lb  
NET 767 lb

WORLD RESOURCES  
12:36PM 02/10/2004  
GROSS 904 lb  
TARE 52 lb  
NET 852 lb

WORLD RESOURCES  
12:38PM 02/10/2004  
GROSS 819 lb  
TARE 52 lb  
NET 767 lb

WORLD RESOURCES  
12:39PM 02/10/2004  
GROSS 830 lb  
TARE 52 lb  
NET 778 lb

WORLD RESOURCES  
12:40PM 02/10/2004  
GROSS 900 lb  
TARE 52 lb  
NET 848 lb

WORLD RESOURCES  
12:48PM 02/10/2004  
GROSS 871 lb  
TARE 52 lb  
NET 819 lb

WORLD RESOURCES  
12:49PM 02/10/2004  
GROSS 816 lb  
TARE 52 lb  
NET 764 lb

WORLD RESOURCES  
12:51PM 02/10/2004  
GROSS 873 lb  
TARE 52 lb  
NET 821 lb

WORLD RESOURCES  
12:52PM 02/10/2004  
GROSS 727 lb  
TARE 52 lb  
NET 675 lb

WORLD RESOURCES

12:53PM 02/10/2004

GROSS 774 lb

TARE 52 lb

NET 722 lb

WORLD RESOURCES

12:55PM 02/10/2004

GROSS 750 lb

TARE 52 lb

NET 698 lb

WORLD RESOURCES

12:56PM 02/10/2004

GROSS 737 lb

TARE 52 lb

NET 685 lb

WORLD RESOURCES

01:01PM 02/10/2004

GROSS 686 lb

TARE 52 lb

NET 634 lb

WORLD RESOURCES

01:02PM 02/10/2004

GROSS 703 lb

TARE 52 lb

NET 651 lb

WORLD RESOURCES

01:03PM 02/10/2004

GROSS 704 lb

TARE 52 lb

NET 652 lb

WORLD RESOURCES

01:05PM 02/10/2004

GROSS 811 lb

TARE 52 lb

NET 759 lb

WORLD RESOURCES

01:06PM 02/10/2004

GROSS 763 lb

TARE 52 lb

NET 711 lb

WORLD RESOURCES

01:07PM 02/10/2004

GROSS 726 lb

TARE 52 lb

NET 674 lb

WORLD RESOURCES

01:09PM 02/10/2004

GROSS 714 lb

TARE 52 lb

NET 662 lb

WORLD RESOURCES

01:10PM 02/10/2004

GROSS 665 lb

TARE 52 lb

NET 613 lb

WORLD RESOURCES

01:12PM 02/10/2004

GROSS 777 lb

TARE 52 lb

NET 725 lb

WORLD RESOURCES

01:14PM 02/10/2004

GROSS 705 lb

TARE 52 lb

NET 653 lb

## WORLD RESOURCES

01:17PM 02/10/2004

GROSS 743 lb

TARE 52 lb

NET 691 lb

## WORLD RESOURCES

01:19PM 02/10/2004

GROSS 708 lb

TARE 52 lb

NET 656 lb

## WORLD RESOURCES

01:20PM 02/10/2004

GROSS 713 lb

TARE 52 lb

NET 661 lb

## WORLD RESOURCES

01:21PM 02/10/2004

GROSS 673 lb

TARE 52 lb

NET 621 lb

## WORLD RESOURCES

01:23PM 02/10/2004

GROSS 729 lb

TARE 52 lb

NET 677 lb

## WORLD RESOURCES

01:24PM 02/10/2004

GROSS 654 lb

TARE 52 lb

NET 602 lb

## WORLD RESOURCES

01:25PM 02/10/2004

GROSS 646 lb

TARE 52 lb

NET 594 lb

## WORLD RESOURCES

01:26PM 02/10/2004

GROSS 640 lb

TARE 52 lb

NET 588 lb

## WORLD RESOURCES

01:27PM 02/10/2004

GROSS 671 lb

TARE 52 lb

NET 619 lb

## WORLD RESOURCES

01:29PM 02/10/2004

GROSS 812 lb

TARE 52 lb

NET 760 lb

## WORLD RESOURCES

01:30PM 02/10/2004

GROSS 655 lb

TARE 52 lb

NET 603 lb

## WORLD RESOURCES

01:31PM 02/10/2004

GROSS 376 lb

TARE 52 lb

NET 324 lb

## WORLD RESOURCES

01:32PM 02/10/2004

GROSS 532 lb

TARE 52 lb

NET 480 lb

## WORLD RESOURCES

01:34PM 02/10/2004  
GROSS 701 lb  
TARE 52 lb  
NET 649 lb  
WORLD RESOURCES  
01:36PM 02/10/2004  
GROSS 834 lb  
TARE 52 lb  
NET 782 lb  
WORLD RESOURCES  
01:37PM 02/10/2004  
GROSS 880 lb  
TARE 52 lb  
NET 828 lb  
WORLD RESOURCES  
01:38PM 02/10/2004  
GROSS 801 lb  
TARE 52 lb  
NET 749 lb  
WORLD RESOURCES  
01:40PM 02/10/2004  
GROSS 840 lb  
TARE 52 lb  
NET 788 lb  
WORLD RESOURCES  
01:41PM 02/10/2004  
GROSS 821 lb  
TARE 52 lb  
NET 769 lb  
WORLD RESOURCES  
01:42PM 02/10/2004  
GROSS 817 lb  
TARE 52 lb  
NET 765 lb  
WORLD RESOURCES  
01:44PM 02/10/2004  
GROSS 803 lb  
TARE 52 lb  
NET 751 lb  
WORLD RESOURCES  
01:45PM 02/10/2004  
GROSS 684 lb  
TARE 52 lb  
NET 632 lb  
WORLD RESOURCES  
01:46PM 02/10/2004  
GROSS 672 lb  
TARE 52 lb  
NET 620 lb  
WORLD RESOURCES  
01:47PM 02/10/2004  
GROSS 694 lb  
TARE 52 lb  
NET 642 lb

WORLD RESOURCES  
01:48PM 02/10/2004  
GROSS 790 lb  
TARE 52 lb  
NET 738 lb  
WORLD RESOURCES  
01:51PM 02/10/2004  
GROSS 775 lb  
TARE 52 lb  
NET 723 lb  
ACCUM 36154 lb  
02/10/2004 01:51PM

18.08  
Tons

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. W A D 9 8 0 7 3 8 5 4 6		Manifest Document No. 24741		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
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6. Transporter 1 US EPA ID Number KAD 063547996						D. Transporter's Phone 800-321-1030							
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9. Designated Facility Name and Site Address World Resources Company 8113 West Sherman Street Tolleson, Arizona 85353-4025						G. State Facility's ID							
10. Facility US EPA ID Number A Z D 9 8 0 7 3 5 5 0 0						H. Facility's Phone 800-972-1955							
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b. RQ, Hazardous waste, solid, n.o.s., (D007), 9, NA3077, III						25.2		3.9800		P		D007	
c.													
d.													
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above							
15. Special Handling Instructions and Additional Information 24 Hour Emergency Response: 1-800-424-9300 CHEMTREC (Use CHEMTREC company code "WORR") (Emergency call pager # 206-648-8423) Wear gloves & goggles P.O. # M103526													
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Printed/Typed Name Gracie Thompson						Signature [Signature]						Month Day Year 10/26/04	
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name T. Carroll						Signature [Signature]						Month Day Year 10/26/04	
18. Transporter 2 Acknowledgement of Receipt of Materials													
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Printed/Typed Name						Signature						Month Day Year	



**WORLD RESOURCES COMPANY**

ARIZONA RECYCLING FACILITY

*In partnership with the environment***LDRN****LAND DISPOSAL RESTRICTION  
NOTICE**

ISO 9001 &amp; ISO 14001 Certified Recycling Facility

**F006**

A copy of this Notice must be retained by the Generator for **at least three (3) years**, pursuant to U.S. EPA Regulation 40 CFR §268.7(a)(8). Moreover, **the Generator should check** the hazardous-waste regulations of his/her own State, inasmuch as, if there is a State analogue to the federal regulation, it may require a longer retention time, such as five (5) years. It should also be noted that the federal regulation--and, typically, State analogues as well--requires the retention period to be extended further in specified cases.

To:	<b>WORLD RESOURCES COMPANY</b>	<b>8113 West Sherman Street, Tolleson AZ 85353-4025</b>
From:	COMPANY NAME: Alaskan Copper Works	COMPANY ADDRESS:  P.O. Box 3546, Seattle, WA 98124
MANIFEST NUMBER:	<b>04002</b>	DATE OF SHIPMENT: <b>02-05-04</b>

This shipment of material is subject to the land disposal restrictions of 40 CFR Part 268. The applicable land disposal restriction information, provided in accordance with 40 CFR §268.7(a)(2), is as shown in this table ↓

EPA Material Number	Treatability Group	CFR Reference for Treatment Standards
F006	non-wastewater	40 CFR §268.40

SIGNATURE:		TITLE:	<b>Enviro. Tech</b>
NAME PRINTED:	<b>Gerald Thompson</b>	DATE:	<b>2-5-04</b>

## Instructions for Completion of this Land Disposal Restriction Notice [LDRN]

This LDRN has been prepared based on a listed material--F006--as the primary designation of the material. This designation is based on information furnished by the Generator of the material. While it is believed to be accurate, it is the Generator's responsibility to determine whether his/her material is restricted from land disposal, and to correctly complete the LDR Notice [as stated in 40 CFR §268.7(a)(2)].

An F006 designation on the LDRN *includes* the following constituents: cadmium [D006], chromium [D007], lead [D008], silver [D011], cyanide, and nickel. However, the designation does *not* include arsenic [D004], barium [D005], mercury [D009], or selenium [D010]. If your F006 material contains any of those four constituents not included in the F006 designation, then use the following instructions.

In determining the need for any additional entries on the LDRN for the F006 material, the levels of arsenic, barium, mercury and selenium must be examined to determine if the levels equal or exceed the threshold concentrations of constituents for the Toxicity Characteristic limit as identified in 40 CFR §261.24 (Table 1), as shown in the left-hand column of the table below [as stated in 40 CFR §268.9].

If (after testing or based upon the generator's knowledge of the material) each metal level does not equal the Toxicity Characteristic level shown below, then *no additional entry* is required on the LDR Notice. If the level is known to be or determined to be equal to or above the limit shown below for any of these metals, then the appropriate information corresponding to that individual metal (in the right-hand column below) *must be added* to the LDR Notice.

REFERENCE INFORMATION TOXICITY CHARACTERISTIC		APPROPRIATE ENTRY ON LDR NOTICE		
Metal	Concentration Level	EPA Material Number	Treatability Group	CFR Reference for Treatment Standards
ARSENIC	5.0 mg/l	D004	non-wastewater	40 CFR §268.40
BARIUM	100 mg/l	D005	non-wastewater	40 CFR §268.40
MERCURY	.02 mg/l	D009	non-wastewater	40 CFR §268.40
SELENIUM	1.0 mg/l	D010	non-wastewater	40 CFR §268.40

**F006 GENERATORS**

## MATERIAL IDENTIFICATION

DOT BASIC SHIPPING DESCRIPTION AND TECHNICAL NAME:  
Hazardous waste, solid, n.o.s., (F006), 9, NA3077, III

NORTH AMERICAN  
EMERGENCY  
RESPONSE

# TAKEN FROM GUIDE 171 OF THE NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK

(Underlined text applies directly to the material listed above)

## POTENTIAL HAZARDS

### FIRE OR EXPLOSION

1. Some may burn but none ignite readily.
2. Some may polymerize (P) explosively when heated or involved in a fire.
3. Containers may explode when heated.
4. Some may be transported hot.

### HEALTH

1. Inhalation of material may be harmful.
2. Contact may cause burns to skin and eyes.
3. Inhalation of Asbestos dust may have a damaging effect on the lungs.
4. Fire may produce irritating, corrosive and/or toxic gases.
5. Runoff from fire control may cause pollution.

## PUBLIC SAFETY

1. CALL CHEMTREC at 1-800-424-9300 FOR EMERGENCY ASSISTANCE (Use CHEMTREC Company Code "W0RR").
2. Isolate spill or leak area immediately for at least 10 to 25 meters (30-80 feet) in all directions.
3. Keep unauthorized personnel away.
4. Stay upwind.

### PROTECTIVE CLOTHING

1. Wear positive pressure self-contained breathing apparatus (SCBA).
2. Structural firefighters' protective clothing will only provide limited protection.

### EVACUATION

#### Fire

1. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

### FIRE

## EMERGENCY RESPONSE

#### Small Fires

1. Dry chemical, CO<sub>2</sub>, water spray or regular foam.

#### Large Fires:

1. Water spray, fog or regular foam.
2. Move containers from fire area if you can do it without risk.
3. Do not scatter spilled material with high pressure water streams.
4. Dike fire control water for later disposal.

#### Fire Involving Tanks:

1. Cool containers with flooding quantities of water until well after fire is out.
2. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
3. ALWAYS stay away from the ends of tanks.

### SPILL OR LEAK

1. Do not touch or walk through spilled material.
2. Stop leak if you can do it without risk.
3. Prevent dust cloud.
4. Avoid inhalation of asbestos dust.

#### Small Dry Spills

1. With clean shovel, place material into clean, dry container and cover loosely; move containers from spill area.

#### Small Spills

1. Take up with sand or other noncombustible absorbent material and place into containers for later disposal.

#### Large Spills

1. Dike far ahead of liquid spill for later disposal.
2. Cover powder spill with plastic sheet or tarp to minimize spreading.
3. Prevent entry into waterways, sewers, basements or confined areas.

### FIRST AID

1. Move victim to fresh air.
2. Call emergency medical care.
3. Apply artificial respiration if victim is not breathing.
4. Administer oxygen if breathing is difficult.
5. Remove and isolate contaminated clothing and shoes.
6. In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
7. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

# Material Safety Data Sheet

F006 Recyclable Material (Filter Cake)

Recycler's Facility Name and Site Address:

**World Resources Company**

8113 West Sherman Street

Tolleson, Arizona 85353-4025

Tel.: 602/233-9166 Fax: 623/936-9164

January 2002 DLS

Call CHEMTREC only in the event of emergencies during shipping that involve a spill, leak, fire, or accident (all calls are recorded).

For emergencies during shipping in the US or Canada, day or night, call: CHEMTREC 800/424-9300.

(Use CHEMTREC Company Code "WRR"). For calls from other countries, call COLLECT: 703/527-3887.

## Section 1

EPA Waste Classification: F006

Generic Name: Electroplating/Metal-Finishing Waste-water Treatment Sludge

Chemical Family: Metallic (Hydroxide) Participates

Synonym: Nonferrous Metal Hydroxide Filter Cake

DOT Shipping Name: RQ, Hazardous waste solid, n.o.s., (F006)

DOT Hazard Class: 9; Packing Group: III.

DOT Identification Number: NA 3077

Guide 171 of The North American Emergency Response Guidebook applies.

## Material Identification

## Section 2

Ingredient:	CAS Number:
Copper Hydroxide	20427-59-2
Nickel Hydroxide	12054-48-7
Calcium Hydroxide	1305-62-0
Diatomite	61790-53-2
Aluminum Hydroxide	21645-51-2

Content%:

ACGIH-TLV:

0-30	1.0 mg(Cu)/m <sup>3</sup> (dust)
0-15	1.0 mg(Ni)/m <sup>3</sup> (dust)
0-15	5.0 mg(Ca)/m <sup>3</sup> (dust)
0-10	10.0 mg/m <sup>3</sup> (dust)
0-10	2.0 mg(Al)/m <sup>3</sup> (dust)

## Hazardous Ingredients

Toxicology (rat, oral):

LD-50	1,000 mg/kg
LD-50	1,500 mg/kg
LD-50	7,340 mg/kg
LD-50	not determined
LD-50	not determined

## Section 3

Description: solid, clay-like, gray/green to brown, water content 30-80%

Specific Gravity: 2.5 to 3.5

Solubility: insoluble in water.

Incompatible Reactivity: none known.

Vapor Pressure: insignificant.

Stability: avoid contact with acids.

Polymerization: will not occur.

Density: 50-90 lbs./cu ft.

## Physical and Reactivity Data

Boiling Point: above 2600°C

Melting Point: above 1800°C

pH: 7.0 to 10.0

Odor: nil.

## Section 4

Flashpoint: nonflammable.

Special Firefighting Procedures: none.

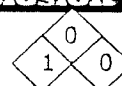
Product Decomposition (due to fire or explosion): none.

Oxidation: non-oxidizing.

Explosion Potential: non-explosive.

## Fire and Explosion Data

NFPA  
Fire Diamond



## Section 5

Listed Carcinogenic Components: nickel

Toxicology: see Section 2.

Route of Entry: inhalation and ingestion.

## Toxicity

## Section 6

Inhalation: Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms.

Ingestion: Rare. Induce vomiting and call a physician—but never induce vomiting or give a liquid to an unconscious person.

Eyes: Dust may irritate eyes. Wash with copious amounts of water for 15 minutes. If effects persist, call a physician.

Skin: Dust may irritate skin, causing forms of eczema. Wash with soap and water.

Long-Term: Long-term chronic over-exposure may affect the following target organs or body systems: blood; digestive; respiratory; lungs; liver; kidneys; and skin.

Comments: Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage, mental-sensitive skin, or skin lesions.

## Health Effects and First Aid

## Section 7

Handling: Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment (PPE) be used by personnel who will come in contact with the material. The PPE should include eye protection, respirator and gloves.

Storage: Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled, to avoid inhalation or ingestion. Store in a dry area under cover to protect from rain or snow.

Spills: Use cleaning procedures that avoid creating excessive dust. Vacuum when possible. Package material and ship to World Resources Company at the address shown above.

## Precautions for Safe Handling

## Section 8

Respiratory Protection: NIOSH-MSHA approved respirators as required.  
Other Protective Equipment: coveralls are recommended but not required.

Eye Protection: safety glasses are recommended.  
Hand Protection: gloves are recommended.

## Control Measures

## Section 9

## Generator's Verification

This MSDS describes the recyclable material listed in the attached Manifest Number:

04001

↑Signature↑

2-5-04

↑Date↑

Alaskan-Copper Works

P.O. Box 3546, Seattle, WA 98124

↑Company Name and Address↑

206-382-8379

↑Telephone↑

# Material Safety Data Sheet

D007 Recyclable Material (Filter Cake)

Recycler's Facility Name and Site Address:  
**World Resources Company**  
8113 West Sherman Street  
Tolleson, Arizona 85353-4025  
Tel.: 602/233-9166 Fax: 623/936-9164

**January 2002 DLS**

Call CHEMTREC only in the event of emergencies during shipping that involve a spill, leak, fire, or accident (all calls are recorded).

For emergencies during shipping in the US or Canada, day or night, call: CHEMTREC 800/424-9300.

(Use CHEMTREC Company Code "WORR".)  
For calls from other countries, call COLLECT: 703/527-3887.

## Section 1

EPA Waste Classification: D007  
Generic Name: Chromium-Bearing Filter Cake  
Chemical Family: Metallic (Hydroxide) Participates  
Synonym: Nonferrous Metal Hydroxide Filter Cake

DOT Shipping Name: RQ, Hazardous waste solid, n.o.s., (D007)  
DOT Hazard Class: 9; Packing Group: III.  
DOT Identification Number: NA 3077  
Guide 171 of The North American Emergency Response Guidebook applies.

## Material Identification

## Section 2

Ingredient:	CAS Number:	Content%:	ACGIH-TLV:	Toxicology (rat, oral):
Copper Hydroxide	20427-59-2	0-30	1.0 mg(Cu)/m <sup>3</sup> (dust)	LD-50 1,000 mg/kg
Nickel Hydroxide	12054-48-7	0-15	1.0 mg(Ni)/m <sup>3</sup> (dust)	LD-50 1,500 mg/kg
Calcium Hydroxide	1305-62-0	0-15	5.0 mg(Ca)/m <sup>3</sup> (dust)	LD-50 7,340 mg/kg
Diatomite	61790-53-2	0-10	10.0 mg/m <sup>3</sup> (dust)	LD-50 not determined
Chromic Hydroxide	1308-58-1	1-20	0.05 mg(Cr)/m <sup>3</sup> (dust)	LD-50 not determined

## Hazardous Ingredients

## Section 3

Description: solid, clay-like, gray/green to brown, water content 30-80%  
Specific Gravity: 2.5 to 3.5  
Solubility: insoluble in water.  
Incompatible Reactivity: none known.

Vapor Pressure: insignificant.  
Stability: avoid contact with acids.  
Polymerization: will not occur.  
Density: 50-90 lbs./cu ft.

## Physical and Reactivity Data

Boiling Point: above 2600°C  
Melting Point: above 1800°C  
pH: 7.0 to 10.0  
Odor: nil.

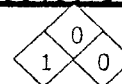
## Section 4

Flashpoint: nonflammable.  
Special Firefighting Procedures: none.  
Product Decomposition (due to fire or explosion): none.

Oxidation: non-oxidizing.  
Explosion Potential: non-explosive.

## Fire and Explosion Data

NFPA  
Fire Diamond



## Section 5

Listed Carcinogenic Components: nickel, chromium Toxicology: see Section 2. Route of Entry: inhalation and ingestion.

## Toxicity

## Section 6

Inhalation: Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms.  
Ingestion: Rare. Induce vomiting and call a physician—but never induce vomiting or give a liquid to an unconscious person.  
Eyes: Dust may irritate eyes. Wash with copious amounts of water for 15 minutes. If effects persist, call a physician.  
Skin: Dust may irritate skin, causing forms of eczema. Wash with soap and water.  
Long-Term: Long-term chronic over-exposure may affect the following target organs or body systems: blood; digestive; respiratory; lungs; liver; kidneys; and skin.  
Comments: Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage, mental-sensitive skin, or skin lesions.

## Health Effects and First Aid

## Section 7

## Precautions for Safe Handling

Handling: Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment (PPE) be used by personnel who will come in contact with the material. The PPE should include eye protection, respirator and gloves.  
Storage: Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled, to avoid inhalation or ingestion. Store in a dry area under cover to protect from rain or snow.  
Spills: Use cleaning procedures that avoid creating excessive dust. Vacuum when possible.  
Package material and ship to World Resources Company at the address shown above.

## Section 8

## Control Measures

Respiratory Protection: NIOSH-MSHA approved respirators as required.  
Other Protective Equipment: coveralls are recommended but not required.

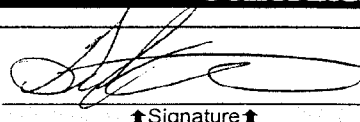
Eye Protection: safety glasses are recommended.  
Hand Protection: gloves are recommended.

## Section 9

## Generator's Verification

This MSDS describes the recyclable material listed in the attached Manifest Number:

04001

  
↑ Signature ↑

2-5-04  
↑ Date ↑

Alaskan Copper Works  
P.O. Box 3546, Seattle, WA 98124  
↑ Company Name and Address ↑

206-382-8379  
↑ Telephone ↑

**WORLD RESOURCES COMPANY**

ARIZONA RECYCLING FACILITY

*In partnership with the environment***LDRN****LAND DISPOSAL RESTRICTION  
NOTICE**

ISO 14001 Certified Recycling Facility

**D007**

A copy of this Notice must be retained by the Generator for at least three (3) years, pursuant to U.S. EPA Regulation 40 CFR §268.7(a)(8). Moreover, **the Generator should check** the hazardous-waste regulations of his/her own State, inasmuch as, if there is a State analogue to the federal regulation, it may require a longer retention time, such as five (5) years. It should also be noted that the federal regulation--and, typically, State analogues as well--requires the retention period to be extended further in specified cases.

To:	WORLD RESOURCES COMPANY	8113 West Sherman Street, Tolleson AZ 85353-4025
From:	COMPANY NAME: Alaskan Copper Works	COMPANY ADDRESS: P.O. Box 3546, Seattle, WA 98124
MANIFEST NUMBER:	04001	DATE OF SHIPMENT: 2-5-4

This shipment of material is subject to the land disposal restrictions of 40 CFR Part 268. The applicable land disposal restriction information, provided in accordance with 40 CFR §268.7(a)(2), is as shown in this table ↓

EPA Material Number	Treatability Group	CFR Reference for Treatment Standards
D007	non-wastewater	40 CFR §268.40

SIGNATURE:		TITLE:	Enviro. Tech
NAME PRINTED:	Gerald Thompson	DATE:	2-5-04

**Instructions****for the Completion of this  
Land Disposal Restriction Notice  
( D007 LDRN )**

This LDRN has been prepared based on a listed material--D007--as the primary designation of the material. This designation is based on information furnished by the Generator of the material. While it is believed to be accurate, it is the Generator's responsibility to determine whether his/her material is restricted from land disposal, and to correctly complete the LDR Notice [as stated in 40 CFR §268.7(a)(2)].

If your material is described by additional "D" characteristic EPA waste codes, then they must each be included on the LDR Notice.

**D007 GENERATORS**

## MATERIAL IDENTIFICATION

DOT BASIC SHIPPING DESCRIPTION AND TECHNICAL NAME:  
Hazardous waste, solid, n.o.s., (D007), 9, NA3077, III

NORTH AMERICAN  
EMERGENCY  
RESPONSE

# TAKEN FROM GUIDE 171 OF THE NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK

(Underlined text applies directly to the material listed above)

## POTENTIAL HAZARDS

### FIRE OR EXPLOSION

1. Some may burn, but none ignite readily.
2. Some may polymerize (P) explosively when heated or involved in a fire.
3. Containers may explode when heated.
4. Some may be transported hot.

### HEALTH

1. Inhalation of material may be harmful.
2. Contact may cause burns to skin and eyes.
3. Inhalation of Asbestos dust may have a damaging effect on the lungs.
4. Fire may produce irritating, corrosive and/or toxic gases.
5. Runoff from fire control may cause pollution.

## PUBLIC SAFETY

1. CALL CHEMTREC at 1-800-424-9300 FOR EMERGENCY ASSISTANCE (Use CHEMTREC Company Code "W0RR").
2. Isolate spill or leak area immediately for at least 10 to 25 meters (30-80 feet) in all directions.
3. Keep unauthorized personnel away.
4. Stay upwind.

### PROTECTIVE CLOTHING

1. Wear positive pressure self-contained breathing apparatus (SCBA).
2. Structural firefighters' protective clothing will only provide limited protection.

### EVACUATION

#### Fire

1. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

### FIRE

## EMERGENCY RESPONSE

#### Small Fires

1. Dry chemical, CO<sub>2</sub>, water spray or regular foam.

#### Large Fires:

1. Water spray, fog or regular foam.
2. Move containers from fire area if you can do it without risk.
3. Do not scatter spilled material with high pressure water streams.
4. Dike fire control water for later disposal.

#### Fire Involving Tanks:

1. Cool containers with flooding quantities of water until well after fire is out.
2. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
3. ALWAYS stay away from the ends of tanks.

### SPILL OR LEAK

1. Do not touch or walk through spilled material.
2. Stop leak if you can do it without risk.
3. Prevent dust cloud.
4. Avoid inhalation of asbestos dust.

#### Small Dry Spills

1. With clean shovel, place material into clean, dry container and cover loosely; move containers from spill area.

#### Small Spills

1. Take up with sand or other noncombustible absorbent material and place into containers for later disposal.

#### Large Spills

1. Dike far ahead of liquid spill for later disposal.
2. Cover powder spill with plastic sheet or tarp to minimize spreading.
3. Prevent entry into waterways, sewers, basements or confined areas.

### FIRST AID

1. Move victim to fresh air.
2. Call emergency medical care.
3. Apply artificial respiration if victim is not breathing.
4. Administer oxygen if breathing is difficult.
5. Remove and isolate contaminated clothing and shoes.
6. In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
7. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.



REQUESTED BY <i>[Signature]</i>	DATE 2-4-04	APPROVED BY <i>[Signature]</i>	DATE
<input type="checkbox"/> HERE FOR RETURN OF YELLOW COPY PURPOSE OR USE		TO BE FILLED IN BY PURCHASING DEPT. P.O. NUMBER <i>M-103526</i>	
DELIVERY NEEDED BY		VENDOR	
SHIP TO ADDRESS		CONTACT	TELEPHONE NO.
SUGGESTED VENDOR <i>World Resources Co.</i>		DELIVERY PROMISED	SHIP VIA

423004 Rev. 7/96





# GENERAL INTERNAL PURCHASE REQUISITION

[illegible]

DATE \_\_\_\_\_

DATE \_\_\_\_\_

☒ HERE FOR RETURN OF YELLOW COPY

TO BE FILLED IN BY PURCHASING DEPT

P.O. NUMBER

**VENDOR**

## CONTACT

TELEPHONE  
NO.

## SUGGESTED VENDOR

**DELIVERY  
PROMISED**

SHIP VIA